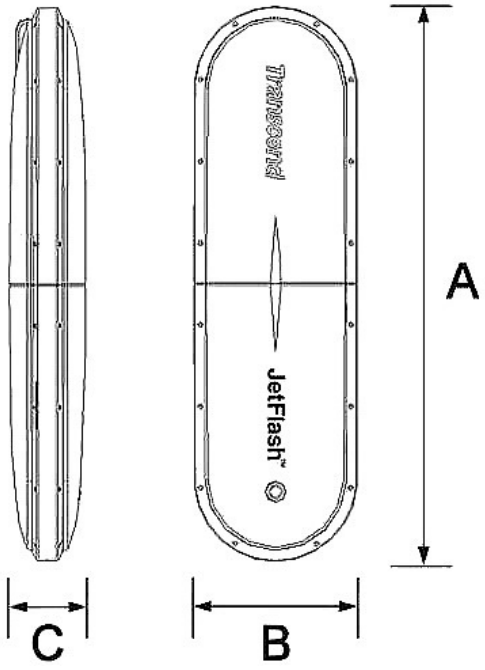
TS128MJF2B

128MB USB2.0 JetFlash™

Description

TS128MJF2B is a 128MB USB2.0 Flash Drive with 1 pcs of 128Mx8 (or 2 pcs of 64Mx8) Flash Memory assembled on a printed circuit board.

Outline



Features

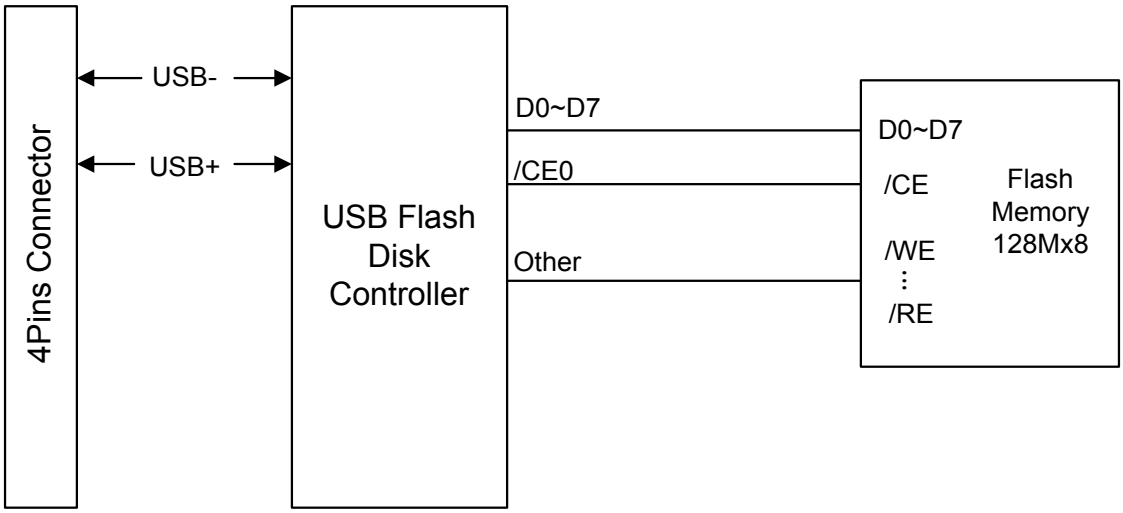
- USB Interface: Compliant with USB specification 2.0
- PC-Lock Function: Make JetFlash the key to your computer
- Security Function: Password protection provided
- Boot-Up Function: USB-ZIP/USB-HDD boot-up mode supported
- Recovery Function: Return JetFlash to its initial status
- No external power or battery needed
- LED indicates the usage status of JetFlash

Dimensions

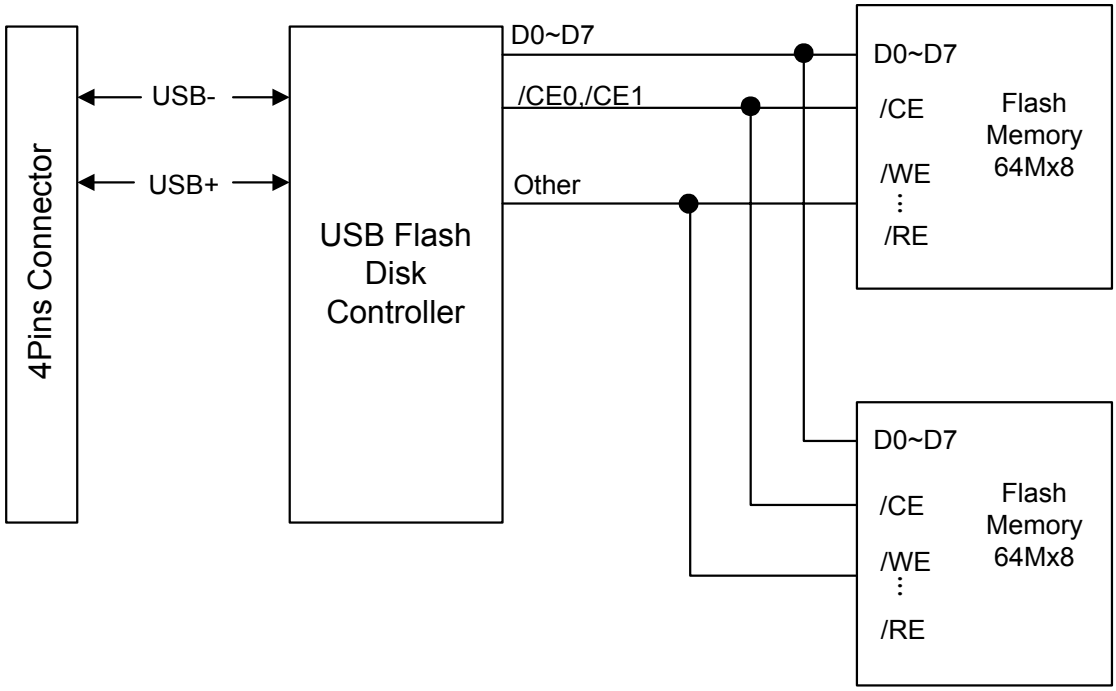
Side	Millimeters	Inches
A	75.00 ± 1.00	2.95 ± 0.04
B	22.00 ± 1.00	0.87 ± 0.04
C	10.00 ± 1.00	0.39 ± 0.04

Block Diagram

• **With 1 pcs of 128Mx8 Flash Memory**



• **With 2 pcs of 64Mx8 Flash Memory**



Pinouts

Pin No.	Pin Name
01	VCC
02	USB-
03	USB+
04	VSS

Pin Identification

Symbol	Function
USB- USB+	USB differential signal: The pairs are used to transmit Data/Address/Command
VSS	Ground
VCC	USB Power Input

Specifications

Host Interface	USB 2.0
Storage Capacity	128MB
Color	Blue
Dimension	22 (W) x 75 (L) x 10 (H) mm
Weight	11g
Data Retention	10 years
Erase Cycles	>100,000 times
System Performance	Read: 11 MB/sec (Max.), Write: 9 MB/sec (Max.)
Power Supply	DC 5V ± 10% via the USB port
Temperature Range	Operation: 0°C – 70°C, Storage: -40°C – 85°C
Certificates	CE, FCC, BSMI

DC Characteristics (Ta = 0°C to +70°C, Vcc = 3.3V ±10%)

Parameter	Symbol	MIN	TYP	MAX	Unit
Power Supply	VDD	3	3.3	3.6	V
Input Voltage	VIH	0.9x VDD	--	5	V
	VIL	-0.3	--	0.2 x VDD	V
Output Voltage	VOH	VDD-0.4	--	--	V
	VOL	--	--	0.4	V
Input leakage current	ILK	-1	--	1	uA
Working Current	IRW	--		--	mA
Operating Temperature	Ta	0		70	°C
Storage Temperature	Ts	-55		+150	°C
IO output current	IOH	--	4	--	mA
	IOL	--	4	--	mA

AC Characteristics

Parameter	Symbol	MIN	TYP	MAX	Unit
Input rising delay	TPIlh	0.35(2PF)	0.4(4PF)	0.54(8PF)	ns
Input falling delay	TPIhl	0.46(2PF)	0.53(4PF)	0.64(8PF)	ns
Output rising delay	TPOlh	1.35(10PF)	1.97(30PF)	2.59(50pF)	ns
Output falling delay	TPOhl	1.61(10PF)	2.41(30PF)	3.21(50pF)	ns

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